

# FOLIO

University of Alberta

12 June 1986

## Horowitz Tells Convocation

### General Education Component Highly Desirable

*President Myer Horowitz delivered the following Report to Convocation on 2 June.*

Mr. Chancellor, Mr. Chairman of the Board, Honoured Guests, Colleagues, Graduands, Family and Friends.

Firstly, Mr. Chancellor, I address you directly. It seems like such a short time ago when, at the beginning of our 75th Anniversary Year, you were installed as Chancellor. And now you begin a week of convocations in the final year of your term. I know that I speak for the entire community when I thank you and Mrs.

Savaryn for your many contributions to this University. Among our most valued staff are our Deans. Gerry Glassford, Dean of our Faculty of Physical Education and Recreation, has been reappointed for a second term.

Dean Glassford, that pleases students and staff both within and outside your Faculty just as it pleases me and other members of the Administration and the Board. Au debut de cette année, Monsieur le docteur Jean Bour est entré dans ses fonctions comme doyen de la Faculté Saint-Jean. Je vous souhaite

tout succès pendant les années à venir. Soyez le bienvenu à notre université. Dean Badir completes 10 years of service as Dean in the Faculty of Home Economics. Dean Badir, you will be missed in your Faculty and on Deans' Council. How pleased I am, personally, however, that you have agreed to be my Special Assistant on Equity Matters.

When we complete our fifth Convocation on Friday, Mr. Chancellor, 4,350 individuals will have graduated from this University this Spring—almost 250 more than last year. I wish each of you in Arts, Home Economics and Physical Education and Recreation great success and much happiness. Je félicite les gradués de la Faculté Saint-Jean et je leur offre mes meilleurs vœux à cette heureuse occasion.

Our 78th Year has been a productive one, and like all years, it had its high moments: the approval of the degree program in Hotel and Restaurant Management, which will be housed in Home Economics, and the four-year programs in Arts and Science. Also, there have been stresses. For a while last Fall, as we went from concerns of sexual harassment to questions of writing competence to issues of mandatory retirement, it seemed as if each week had its own special crisis. More than ever before, therefore, I welcomed the civility, the grace and the humor with which many of you approached the serious matters. Mind you, Horowitz has received a pretty good press lately. Did you see the headline in the *Edmonton Journal* some weeks ago "Horowitz Hailed at Home?" And then the *Montreal Gazette* followed a few days later with "Horowitz Wows Local Crowd." My fantasy came to an abrupt end, however, when *Time Magazine*, referring to the same Horowitz, exclaimed, "Horowitz Dazzles Moscow Audience." Oh well, I'm happy for cousin Vladimir. But let's not forget that I

was featured in the Bub Slug comic strip entitled, "A Bold Experiment in Mass Education: University of the Comics." In the first panel I'm sitting at my desk in my office playing with a toy car and a toy tank. Pennants on the wall exclaim "U of Eh" and "Go Bears." I am speaking:

"Greetings, I'm Myer Horowitz of the U of A. I'm *not* Mayor Horowitz of the U of A, but I am president, which is pretty good too."

The comic strip provided me with my best laugh of the Winter and I thank the cartoonists Delainey and Rasmussen, who are two of our former students.

For excitement here at the University, few events equalled the national university hockey finals which we hosted and the victory of our team coached by this continent's most successful college or university hockey coach, Clare Drake. Did you see the picture, which appeared in several local and national newspapers, of the hockey team and its mascot (who also happens to be this University's President) holding the silver University Cup? My best laugh of the Spring came about three weeks later when I received a letter from the Executive Vice-President of the Canadian Interuniversity Athletic Union, Bob Pugh, who has been a friend of mine ever since 1951 when we were both students in teacher education at Macdonald College of McGill University. He wrote, in part:

Dear Mr. President:

The CIAU challenges the eligibility of the gentleman in the jacket holding aloft the "University Cup" in the enclosed picture which appeared in the March issue of the *Hockey News*.

According to our investigation, it is most apparent that he is in violation of the following regulations:

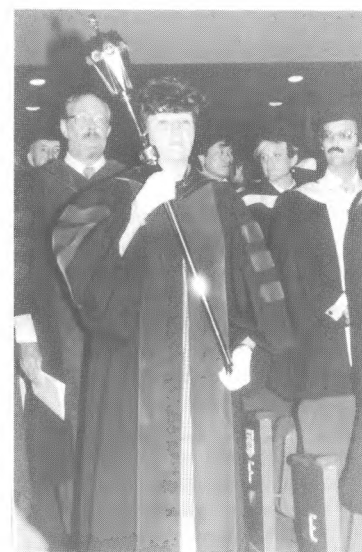
Regulation C-2 "Year of Eligibility"

## Scholarship in Occupational Therapy Established

The Western Industrial Research and Training Centre has established the first graduate scholarship for the new MSc program in Occupational Therapy.

Steven Dennis, Vice-President of WIRTC and Honorary Clinical Associate Professor, Department of Occupational Therapy, announced that the award will be made annually to a student undertaking research in vocational rehabilitation. The value will be approximately \$500.

The Department of Occupational Therapy acknowledges with appreciation this generous support. □



Mace bearer Lois Stanford leads the academic procession.

This regulation allows a student athlete to participate in interuniversity athletics for a maximum of five (5) years. The individual in question was guilty in 1951-52, while at Macdonald College, of participating with the infamous ED 2 Hockey Team as a goaltender with a perfect record—never stopped a goal. Regulation C-6 "Transfer" This regulation requires the student who transfers from one university to another to be "inactive" for one year. We understand that Mr. Horowitz's period of inactivity has far exceeded the allowable period of one year, thus he is further guilty of carrying a good thing too far. Regulation C-11 "Athletic Awards" CIAU regulations allow for an institution to provide a student athlete financial assistance, not

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to exceed \$1,000. We have no concrete proof of such, however, at the risk of being presumptuous, we are prepared to assume that the individual in question could be receiving slightly more than \$1,000 from the University of Alberta.

When we look ahead, the main development of the last several months, I suggest, was our presentation in March of our interim statement "The Next Decade and Beyond: A Plan for the Future." We asked for reactions and we are getting them. I am certain, Mr. Chancellor, that you feel as I do that there was lively and helpful discussion of our proposal at the public meeting here in Edmonton which you chaired last Wednesday evening. Tomorrow at Convocation, Vice-President Meekison, the key leader of this important academic activity, will deal with the Plan in detail. Today, I want to refer to one thrust which I consider to be of the greatest importance: high quality undergraduate education and the general liberal education component which I maintain is essential for students in all of our undergraduate programs.

Dean White, I am very pleased that you and your colleagues will be

embarking in the Fall on a new four-year program in Arts. Much has been made of the expansion of the previous program by one year. That is important, of course. What is of even greater importance, in my view, is the restructuring of the program so that there is a new and better balance between general education and specialized studies. The core curriculum of the new program will consist of course work in each of the major fields of study: composition and critical reading, second languages, humanities, social sciences, fine arts, and natural sciences and formal studies. As an individual identified with a professional field but whose first degree is in Arts, I want my colleagues to know how pleased I am that, as in the past, some course work offered by the professional field can be an important part of liberal education for many individuals. In my own area, for example, a course or two in the foundations of education, the organization of education, the curriculum for youngsters, or the way children learn can be useful as a complement to specialized studies in an Arts or Science discipline. And the same can be said about the liberalizing value of study in Home

Economics, Physical Education and Recreation.

I believe that it is important not just for students in the new program in Arts to have a foundation of general liberal education, but for our undergraduates in all of our programs—our honours programs in Arts and Science and our professional programs in numerous fields, including Physical Education and Recreation and Home Economics. Liberal education, in my view, demands that students in honours chemistry or zoology take some courses in humanities and the fine arts, and that others in honours philosophy or in drama or music performance programs have some exposure to science and technology. Ce que j'ai dit au sujet des programmes au niveau sous-gradué, s'applique aussi aux programmes de la Faculté Saint-Jean.

One of our Planning Groups questioned Deans and department chairmen about necessary changes at our University. Our academic administrators assigned a very high priority to the requirement of general educational experiences for students. My own view is that all of our undergraduates should have a component of general education equivalent to at least one year of study and that some of the core requirements should be at the third- or fourth-year level. I know the implication of what I am saying. Some will ask how we can afford the luxury of exploring a variety of fields when there is much that must be accomplished in the specialized

or professional field. I ask, instead, how we can omit from anyone's education some study in each of the fields of knowledge. I believe that serious examination of the curriculum in each of our programs would result in our having coherent four-year undergraduate programs in most fields. I suspect, however, that the nature of some areas may necessitate four and one-half or five years of undergraduate study to accommodate the general as well as the professional elements. Believe me: I am not interested in our lengthening programs unless we absolutely have to do so, but better that we have slightly longer but coherent and balanced programs than our continuing the all too specialized programs that we have now in some areas.

Last month I attended in Montreal the annual meeting of the Corporate-Higher Education Forum, a coming together of about 25 university presidents and an equal number of chief executive officers of corporations. One of our task forces, chaired by President George Connell of the University of Toronto and including Walter Light of Northern Telecom and William Stinson of Canadian Pacific, presented a report on the relationship of university education to corporate employment. The study by Professors Fred Evers of the University of Guelph and James Rush of the University of Western Ontario involved university graduates and managers of corporations from 200 corporations.

"The survey showed that

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## Symposium on 'Immunology of Diabetes' International in Scope

As many as 250 scientists from a number of nations, including Japan, Great Britain, Israel, Italy and Denmark will be on campus 26 to 28 June for the symposium "Immunology of Diabetes."

The three-day conference will consist of plenary sessions, workshops and related poster sessions. Topics for the plenary portion include immunogenetics and genetic susceptibility; immunopathology and autoimmunity against the beta cell; environmental factors contributing to diabetes; immunity to insulin and the insulin receptor; transplantation: clinical and experimental aspects; and immune intervention: clinical and experimental aspects.

There will be workshops on islet and pancreatic transplantation; clinical trials: prediction, prevention and reversal of diabetes; viral and environmental factors contributing to diabetes; immunogenetics and autoimmunity; and immunoregulation.

All sessions will be held in the Walter C. Mackenzie Health Sciences Centre.

The symposium, to be co-chaired by George Molnar and Martine Jaworski, is sponsored by the Muttart Diabetes Research and Training Centre, the Canadian and American Diabetes Associations and the International Diabetes Federation. □

graduates and managers were generally satisfied with the skills, especially technical, which university graduates possess. However, graduate skills in several areas were perceived as less than adequate. In particular, the ability to communicate orally and in written form, leadership skills, and administrative skills were consistently ranked lower than more technical skills."

When interviewed by his university's newspaper, *At Guelph*, Professor Evers indicated that he had concluded that:

"...the main concern is lack of a broad-based education for many students. Both graduates and managers see a need for general educational skills such as those provided by liberal arts courses. Although a technologically advanced nation like Canada needs specialists in engineering and computer science, for example, these graduates must also have general skills to function in a corporation."

I referred earlier to the reactions we are getting to our Plan for the Future. About 10 days ago, I received a letter from one of our graduates of 1929 who is a friend of this University and one of our supporters. Peter Kilburn has been particularly successful in business and commerce. He is also interested in the humanities and the fine arts and translates that interest into financial support for a concert series in our Department of Music. Mr. Kilburn refers to a number of thrusts in our Report, but I shall quote only those sentences which relate to my topic this afternoon.

"The U of A in my time was an oasis of scholarship in a small remote community. It seemed to do well with the teaching of medicine, engineering and agriculture but my admiration rests with the quality of its teaching of the humanities."

"What good is that old-fashioned doctrine? It creates a wide interest, an inquiring mind and provides a framework for continued learning and useful work."

"In my case, it enabled me to compete and succeed in a highly competitive business field (investment banking), to provide my family and myself with substantial assets, to encourage me to be President of the Montreal Symphony Orchestra, Director of the Montreal General Hospital and Chairman of its Investment Committee and to enable me to

support good people and good works. This is not meant to be self-serving but to describe a case resting on a liberal BA about which I know."

"In my day a BA was good enough: not so now. However, the foundation for well-educated people must remain with liberal arts. In my case, it mixed well with business; in others with law and medicine."

"I would, therefore, make sure the humanities be at the centre and well taught."

I spoke with Mr. Kilburn last Wednesday morning because I wanted to thank him for his helpful reaction to the Plan and to get his permission to quote from his letter. I conclude my Report to Convocation this afternoon with the final paragraph in his letter to me:

"Let me align myself with those who see the humanities as the centre of good education. Let me also speak up for the wide world of business much maligned in academic circles for being materialistic, self-centred, unimaginative and disinterested in life around it. That is not so. It is the engine which drives our democratic system by getting the day to day work of the country done so that time and substance are left over for academic study and scientific research. But the engine must be nourished if the machine is to be elegant or even safe and sound." □

## MacGregor Receives APEGGA's Top Award

The Centennial Award is the foremost award given by APEGGA (Association of Professional Engineers, Geologists and Geophysicists of Alberta). On 5 June, this singular honour was accepted by James MacGregor, Professor of Civil Engineering.

To be selected for the award, an individual must have attained "unusual distinction relating to the sciences of engineering, geology or geophysics; in the teaching in these fields; or who, by reason of invention, research, original work, or as an executive on projects with unusual or important scope, has made substantial contributions to the foregoing fields."

Dr. MacGregor's vice-presidency of the Comité Euro-International du

## Being a Diary of Successes Preceded by Misfortune

**Tuesday, 13 May.** Months of planning are over. The Symphonic Wind Ensemble is having its final rehearsal before boarding the bus to Vancouver. As part of EXPO 86, they are going to compete in the Canadian Stage Band festival. The Stage Band will participate too, and its members are now standing around listening.

The bus departs at 8:10 p.m. Many of the musicians are wearing shorts, sandals and shades. Some have bare midriffs. Near Lacombe the light drizzle that's been falling changes to light snow. No one notices. Tropical Vancouver is our destination.

Two hours later the snow has become something to notice. A wind has risen, and visibility is about four feet. By 11:15 p.m. we are stuck. And so are the cars, trucks and buses in front and behind us.

The musicians don't care. They are partying, ghetto blasters blaring.

**Wednesday, 14 May.** Came the dawn, and food supplies—meant to last till Vancouver—have disappeared.

The snow continues to fall, completely covering some of the smaller cars.

Around noon a cheer goes up as a lone tow truck makes its way northbound. The driver is persuaded to bring us sandwiches from a restaurant a mile up the road.

At 6 p.m. we spot the first RCMP officer. There are, he says, probably 150 vehicles stranded along a three-mile stretch of highway. Snow is expected to continue for the next 48 hours, and there is no equipment in the area to plough or tow.

The communities of Carstairs and Crossfield launch a terrific effort—using 4 by 4s—to get everyone from their vehicles to the two community halls. At the Crossfield hall, townspeople appear with food, and cook in shifts till 1 a.m. There is gas, but no power, heat or telephone. Blankets are rounded up throughout the community, and we sleep in clumps, huddled together for warmth on the concrete floor of the basement, dimly lit by candles.

**Thursday, 15 May.** At 7 a.m. phone service is restored. Worried parents are called, and contact is made with the bus company. At 2 p.m. a bus arrives in Crossfield, by back roads and farmers' fields. We climb in and drive to where our original bus stands, still stranded, to pick up clothes and instruments. Then its heigh ho! and off to Calgary we go for a brief rest and our first real meal in 48 hours.

Seven o'clock sees us heading for Vancouver.

**Friday, 16 May.** We make it! We arrive in Vancouver at 9 a.m.—60 hours after leaving Edmonton.

But adversity persists.

It rains—without stopping. The hotel has not reserved enough rooms. We miss the scheduled rehearsal time. A new one is scheduled. The bass player misses it. It is cold. It is too cold to surf.

**Saturday, 17 May.** Success! Our Stage Band, led by Neil Corlett, plays in front of more than 2,000 people at the Plaza of Nations in EXPO 86—and we blow them away.

**Sunday, 18 May.** Successes! The Symphonic Wind Ensemble is Gold Award Winner in the Senior Community Class.

And, of the 88 bands that came from all over Canada to compete, the Ensemble is one of two named "Most Outstanding Ensemble in the Festival".

**Coda.** The Band Trip of '86 is an experience we'll all remember. But our most vivid memories will be the joy of musicians and listeners who took part in two outstanding musical performances.

*This Diary was adapted from an article written by Fordyce Pier, Director of the Symphonic Wind Ensemble.* □

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## Leslie Robb Gue, 1918 - 1986

On 2 June 1986, Leslie Robb Gue, Professor Emeritus of Educational Administration, passed away at his home in Edmonton. Dr. Gue is survived by his wife, Marya, his three children, David Gue, Linda Capel, Alison Bell, and their mother, Lilian Gue.

Dr. Gue was born in Medicine Hat, Alberta, on 5 August 1918. He graduated from Strathcona High School, Edmonton, in 1935 and proceeded to attend the Edmonton Technical School. From 1936 to 1940, he was employed by the Imperial Bank of Canada. From 1940 to 1945, he served in the RCAF as an aero-engine mechanic and flight engineering instructor.

From 1945 to 1947, he attended the Faculty of Education, University of Alberta, from which he obtained the BEd degree. After one year of service as vice-principal, Huntsville School, Iron Springs, Alberta, he returned to the University and studied towards an MA in English. From 1949 to 1951, he taught in the Edmonton Public School District.

During the next 10 years, Dr. Gue was employed in various capacities by the Government of Alberta. He served as Editor of the Curriculum Branch and as Coordinator of School Broadcasts in the Department of Education before joining the Department of Public Welfare as Provincial Coordinator of Rehabilitation Services. During this period, he also studied as a part-time student at the University of British Columbia and graduated in 1960, at the head of his class, with a Bachelor of Social Work.

He returned to field work in the Department of Education in 1961 and assumed the position of Superintendent of Schools in the unique and newly created Northland School Division which embraced much of the northern half of the province.

Dr. Gue was admitted to the Faculty of Graduate Studies at the University of Alberta in 1964 and was awarded the PhD degree in Educational Administration in 1967. He received an appointment as an Associate Professor in the Department of Educational Administration in 1966, achieved the rank of Professor in 1974 and retired in 1984.

Much of Dr. Gue's career at the University of Alberta was devoted to the improvement of education in Thailand. He played a major role in the conduct of five important projects carried out by the Faculty of Education for Thailand. The Faculty was recommended by the External Aid Office of the Department of External Affairs,

Government of Canada, as the site for the initial project. The Faculty then delegated the task of implementing a training program for Thai educators to Dr. Gue. There were 176 Thai educators in Project 1, 64 in Project 2, and 100 in Project 3. In Project 4, Dr. Gue took a team of Canadian education experts to Thailand where they conducted a study of the effects of the training program. In Project 5, he helped the Thai Government establish a community school concept. At the time of his death, Dr. Gue was involved in organizing Project 6. This project was designed to improve the skills of a group of Thai community school administrators through attendance

in a special program at the University of Alberta in the Fall of 1986. Apart from his work in Thai education, he was also involved as a consultant in setting up the personal library of the King of Thailand.

Dr. Gue was highly regarded by the people of Thailand. He was rewarded for his efforts to improve the education system of Thailand by being appointed a Commander of the Most Noble Order of the Crown of Thailand by Bhumibol Adulyadej, King of Thailand, in 1984. Such an appointment is the third highest honour awarded by the King.

Dr. Gue's book, *An Introduction to Educational Administration in Canada*,

has been adopted as a basic text for undergraduate courses in educational administration in several Canadian universities. In addition to his book, he authored numerous articles on intercultural education, native education, education in Thailand and other related topics.

Besides his very active career at the University of Alberta, Dr. Gue was heavily involved in the community. He was active in the Rotary Club, Amnesty International, Edmonton Rehabilitation Society, the Intercultural Education Council of the Alberta Teachers' Association and the Unitarian Church. □

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## The (University) Papers Tell Us That . . .

- Full-time tuition fees at the University of Calgary will increase by three percent in September. The university's operating budget is expected to experience a gain of about \$400,000.
- A University of Guelph professor will conduct an exploratory study of student attrition. Sid Gilbert, a sociologist and anthropologist, says:

"It's important to see if factors such as financial hardship or employment opportunities, perceived by dropouts as reasons for their withdrawal, are viewed differently by students who continue with their studies." The project, which has received SSHRC funding, will be carried out over two years.

- The University of Regina will celebrate its 75th anniversary in September.
- Queen's University is said to have the largest group of computer security researchers in Canada. Seven people from various disciplines are examining cryptography and "trusted" software. Last year, members of the team won a three-year NSERC strategic grant (\$95,000 per year) for the third time.
- A course on hockey in Canada is being developed at Simon Fraser University. The course—to become part of the Canadian studies program—will deal with "the cultural and social ramifications of hockey; the way hockey penetrates economic activity, how it incorporates remote Canadian communities into the national fabric—that sort of thing."
- The University of Toronto's new \$12.9 million supercomputer will cost \$2 million to \$3 million a year to operate. It is 100 to 200 times faster than other large computers, and 10,000 times larger than a personal computer. Officials have said Ontario university researchers will pay \$100 to \$150 an hour, or \$1,000 an hour if they are working on contract research. Commercial users will pay \$2,000 an hour.
- A recent *Forum* (a newsletter published by the Information Services Department at Ryerson Polytechnical Institute) contains these words of wisdom: "Educators who complain that Canada spends more on liquor than it does on education don't realize how much you can learn at cocktail parties." □

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## Library Aid to Nicaragua Intended to Keep Bibliobus Moving

Thanks to the generosity of the Edmonton library community and the assistance of Tools for Peace, libraries in Nicaragua will be better able to support the needs of the people of their country. More than \$1,400 was raised, sufficient to purchase and ship to Nicaragua six copies of the latest edition of the "Lista de Encabezamientos de Materia para Bibliotecas." These Spanish language subject headings are an important source in cataloguing the country's growing collection of books and audio-visual materials, says Kathy Carter (Cameron Library). The government of Nicaragua has placed a high priority on the creation of libraries and improving the literacy of the people but as funds available for the purchase of library materials are limited, a group of Edmonton library workers and Tools for Peace undertook this project and initiated the fund raising.

From the outset, Library Aid to Nicaragua was seen as a multiphase project. Phase 1 has now been successfully completed. Phase 2 will be implemented and will entail the purchase of tires for the Bibliobus—a bookmobile which tours specific areas of Nicaragua. For many people, this service provides the only access they have to books and other library resources. The Bibliobus has been operating for about two years and replacement tires are essential if it is to continue. Funds raised will be used to purchase seven 19-inch tires.

Those interested in learning more about the Library Project or in contributing to Phase 2 should write to: Tools for Peace, c/o Barb Clubb, 1901 11135 83 Avenue, Edmonton, Alberta T6G 2C6.

Make cheques payable to "Tools for Peace - Library Project". (All donations over \$15 will receive a tax receipt.) □

## Dean of Nursing Awarded Honorary Degree by McMaster University

Jannetta MacPhail was awarded the honorary degree of Doctor of Laws by McMaster University at its Health Sciences Convocation on 16

May. Dean of the Faculty of Nursing at the University of Alberta since 1982, Dr. MacPhail served as a member of AARN Provincial Council from 1983 to 1985, and currently serves the profession as First Vice-President of the Canadian Nurses Association. She has served as a member of the Board of Directors of the Alberta Foundation for Nursing Research since its establishment in October 1982, as well as Chairman of its Scientific Review Committee.

A native of Renfrew, Ontario, Jannetta MacPhail is a graduate of the Victoria Hospital School of Nursing, London, Ontario, and the certificate program in clinical instruction, University of Western Ontario. She holds bachelor's and master's degrees in Nursing from Teachers' College, Columbia University and Wayne State University, respectively, and a PhD from the University of Michigan.

With a strong clinical background in maternal-child nursing, Dr. MacPhail's commitment through

her career has been to develop collaborative relationships between nursing education and service to promote high standards of patient care, to provide stimulating learning environments for students and to facilitate nursing research. As Dean of the Frances Payne Bolton School of Nursing, Case Western Reserve University, for 10 years before assuming her current position at the University of Alberta, Dr. MacPhail became internationally recognized for her work in the development of ND and PhD programs which have served as models in nursing education in both the United States and Canada. Dr. MacPhail has also held academic appointments at Wayne State University and the University of Toronto and nursing service appointments at the Kitchener-Waterloo Hospital and the Renfrew Victoria Hospital. She has been the recipient of awards for further study from the United States Public Health Service and the W.K. Kellogg Foundation and the Victoria Hospital. Other honours accorded her include honorary life membership in the Nursing Education Alumni Association,

Teachers' College, Columbia University, the Award for Outstanding Leadership from the American Assembly of Men in Nursing and the Sister Bernadette Armiger Award for Outstanding Leadership from the American Association of Colleges of Nursing. She is a Fellow of the American Academy of Nursing and a member of Sigma Theta Tau, an honorary nursing society.

Since assuming her position at our University, Dean MacPhail has provided leadership in the expansion of the basic baccalaureate program and in increasing program flexibility and alternatives for registered nurses to enter the

Post-RN baccalaureate program. A unique opportunity now exists in Alberta for nurses in certain central and northern regions of the province to enroll in the program and to complete it on an off-campus basis. She has encouraged collaboration between nursing education and service through joint appointments and other strategies, and has facilitated the Faculty's strong research thrust. Strong leadership has fostered the development of a proposal for a PhD in Nursing, which, if funded by the provincial government, will be the first such program in Canada. □

## Statistics Canada Survey of Higher Education: Part II

*Last week, Folio carried excerpts of statistical studies of Canada's post-secondary education system. The studies emanated from the Department of the Secretary of State. The following details complete the picture.*

### Attitudes Toward Program

Based on their experiences since graduation, respondents were asked whether they would take the same educational program again, a different one or none at all. Seventy-two percent of university graduates, 64 percent of college graduates and 62 percent of trade/vocational graduates reported that, in retrospect, they would enroll in the same program again. Employment experience appeared to have an influence on the responses to this hypothetical question: those graduates who worked in jobs related to their education were more likely than unemployed graduates, or those in unrelated jobs, to indicate that they would select the same educational program again.

### Employment Status

The employment status of graduates was recorded for three time points during the period between graduation in 1982 and June 1984. Respondents were asked whether they were employed, unemployed, or not looking for work in January 1983, October 1983 and June 1984.

Twenty-five percent of trade/vocational, 43 percent of college, 54 percent of bachelor's,

73 percent of master's and 81 percent of doctorate holders experienced no unemployment at all between graduation in 1982 and June 1984. Of those graduates who were unemployed at any time during this period, the average total number of months looking for a job was 10 months for trade/vocational graduates and seven months for all other graduates.

<sup>1</sup> Considered unemployed were graduates not working but looking for work, including those who have accepted a full-time job to start in the future.

The percentage of graduates in the labour force who were employed full-time rose over this time period so that by June 1984, 64 percent of trade/vocational graduates, 81 percent of college graduates, 79 of bachelor's<sup>1</sup>, 85 percent of master's graduates<sup>2</sup> and 88 percent of doctoral graduates had obtained full-time employment.

The rate of employment also varied by field of study. Among trade/vocational graduates, engineering (68 percent) and natural science graduates (66 percent) had the highest full-time employment rate. College graduates in the natural sciences (84 percent) engineering (83 percent) and business (82 percent) were the most likely to have obtained full-time employment while humanities (70 percent) and arts graduates (69 percent) were the least. University graduates in



## Activities

The President of the Muttart Foundation has announced that **William Wonders** (Geography) has been elected to the board of Directors of the Muttart Foundation of Canada . . . **Leslie Bella**, formerly of the Faculty of Physical Education and Recreation, has been appointed Dean of the Faculty of Social Work, University of Regina . . . The Comprehensive Stuttering Treatment Program, developed by **Einer Boberg** and **Deborah Kully** (Speech Pathology and Audiology), was featured in a special report on 27 May on CBX-FT's public affairs program "Le Telejournal." The French language program demonstrated the impressive progress made by adult stutterers during the intensive three-week program . . . The first Alberta Seniors Track and Field Meet was held 26 May in the Universiade Pavilion. **Arvilla Yoder**, **Stan Dyer**, **Yui Wong**, **Dorothy Burgess** and **Art Burgess** won their events and were named to the Edmonton team that will compete in the Alberta Seniors Games 7 to 9 August in Grande Prairie . . . **Bohdan Medwidsky** (Slavic and East European Studies) has been elected President of the Folklore Studies Association of Canada. He also presented a paper titled "The Transformation of a Dowbusch Legend" at the annual meeting of the Folklore Studies Association of Canada in conjunction with the Learned Societies Conference at the University of Manitoba . . . **Owen Beattie** (Anthropology) left for Beechy Island last Saturday to continue his research into the ill-fated Franklin Expedition. He and his research team will be joined in two weeks by **Roger Amy** (Pathology) who is a co-investigator of the project.



health (89 percent), business (89 percent) and engineering (88 percent) were more likely than humanities (73 percent) and fine and applied arts graduates (66 percent) to be employed full-time.

Finally, the unemployment rate varied inversely with qualification level: in June 1984, trade/vocational graduates had the highest unemployment rate at 26 percent; college graduates and bachelor's degree holders both had a rate of 10 percent; master's graduates (8 percent) and PhDs (7 percent) had the lowest rates.

<sup>1</sup> Includes graduates granted a bachelor's or first professional degree or a bachelor diploma or certificate.

<sup>2</sup> Includes master's degrees and graduate diplomas or certificate.

### Gender Differences

At all levels of qualification males had higher full-time employment rates than females and this was true for most fields of study, even those where women dominated. Among trade/vocational graduates, 69 percent of the men and 56 percent of the women were employed full-time. For college graduates, the full-time employment rate was 84 percent for men and 77 percent for women. Full-time employment rates for male and female university graduates were as follows: bachelor's: 82 percent men, 76 percent women; master's: 89 percent men, 80 percent women; doctoral holders: 89 percent men, 85 percent women.

More women than men were employed part-time. With the exception of PhD holders, women were at least twice as likely as their male counterparts to work part-time. Two reasons seem prominent in accounting for this situation. The most frequently cited reason for part-time employment was the inability to obtain full-time employment, and women were more likely than men to encounter this experience. Secondly, personal or family responsibilities precluded full-time work more frequently for women than for men.

Men and women graduates also had different rates of unemployment. Among trade/vocational graduates women (27 percent) had higher rates compared to men (25 percent). College women (10 percent) had lower rates than college men (11 percent). Rates did not differ between men and women at the bachelor's level (10 percent). Among higher level degree holders, male master's (7 percent) and male doctoral graduates (7 percent) had lower unemployment rates than female master's (9 percent) and female doctoral graduates (9 percent).

### Relationship Between Education and Employment<sup>1</sup>

Graduates were asked to what extent the full-time job held in June 1984 required the utilization of the knowledge and skills gained in their educational program. The higher the level of qualification the smaller the proportion of graduates in jobs unrelated to their education: 36 percent of trade/vocational, 15 percent of college graduates, 17 percent of bachelor's, 9 percent of master's graduates and 4 percent of PhD holders were in jobs which were unrelated to their education.

<sup>1</sup> Relationship is based on the graduates' subjective perception of the extent to which their educational skills are utilized in the job. Several questions were used to obtain the results.

### Expected Earnings

Expected earnings, of those employed full-time in June 1984 rose by level of certification and varied by field of study. The (expected) median annual income was \$15,000 for trade/vocational graduates, \$18,000 for college graduates, \$23,000 for bachelor's, \$32,000 for master's graduates and \$34,000 for doctoral holders. At the trade/vocational, college and bachelor's levels, engineering and health science graduates had the highest median earnings of all fields of study.

At the master's level, education (\$39,000) and business graduates (\$35,000) reported the highest incomes. Business, education and engineering graduates with median salaries of \$40,000 were the highest paid doctoral graduates.

The median annual salary of men exceeded that of women and the difference was greatest at the master's level (\$5,000), and least at the bachelor's level (\$2,000).<sup>2</sup> Women with the same level of qualification as men had to have three or more years of work experience to have median annual earnings at least as high as men with no previous full-time work experience before graduation.

<sup>1</sup> These are earnings as estimated by respondents for the 12 months of 1984.

<sup>2</sup> These figures do not take into account other factors which may, in part, explain these differences.

### Conclusion

The findings indicate that university graduates, particularly at the master's and doctoral level, were the most satisfied with their education, made the easiest transition into the labour market and had the best experiences within the labour market in terms of job satisfaction, earnings and a strong connection between their education and their employment.

Trade/vocational graduates were

less likely to find employment, and when they did it was more likely to be unrelated to their training.

College graduates presented a more ambiguous picture: their

unemployment levels were lower than the trade/vocational graduates but they did not show a greater level of satisfaction with their choice of educational program. □

## Rounding Out the Record

*Biographical sketches of S.G. Ghurye and Murray Klamkin, missing from last week's pages on retiring staff, are published here.*

### Sudhish Ghurye

S.G. Ghurye was born in Bombay and received his undergraduate and graduate education at the University of Bombay, obtaining his BSc (Mathematics and Physics) and MSc (Mathematics) degrees at that institution. In 1952, he was awarded his PhD in Mathematical Statistics at the University of North Carolina where he also continued as a Research Associate for the following two years. After a brief sojourn at Lucknow University, Professor Ghurye returned to the United States and joined the University of Chicago as an Assistant Professor (1955-59), and subsequently as an Associate and Full Professor, respectively, at Northwestern (1959-62) and Indiana (1962-68) Universities. At Indiana University, he also served as Chairman of the Department of Mathematics. Professor Ghurye joined the University of Alberta in 1968 as a Professor and continued in this position until his retirement in July 1985. He also served as Chairman of the Department of Mathematics at the University of Alberta from 1971 to 1976.

During his long (33 years) and illustrious academic career, he proved himself to be an able and astute administrator and a scholar of international reputation in his area of Multivariate Analysis. He is a fellow of the Institute of Mathematical Statistics and the International Statistical Institute. Professor Ghurye also served as Editor of the *Canadian Journal of Statistics* from 1980 to 1984.

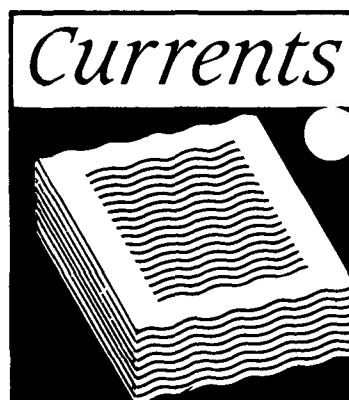
A man with wide contacts and scholarly interests, Professor Ghurye now makes his home in Davis, California, where he is actively pursuing his scholarly interests under the warmth of the California sun.

### Murray S. Klamkin

Murray Klamkin was born in the United States. He received his BChE from Cooper Union, School of Engineering in 1942 and his MSc in Physics from the Polytechnic Institute of New York in 1947. Professor Klamkin's professional career includes appointments at the Polytechnic Institute of New York, AVCO Research and Advanced Development Division, State University of New York at Buffalo, University of Minnesota, Principal Research Scientist at the Ford Motor Company, and Professor of Applied Mathematics at the University of Waterloo. He joined the Department of Mathematics at the University of Alberta as Chairman and Professor in 1976 for a five-year term and since 1981 has been a Professor with the same department. He received a Certificate of Merit from the Mathematical Association of America in 1978 and was elected a Fellow of the American Association for the Advancement of Science in 1982.

In addition to 159 papers published in refereed journals, Professor Klamkin has

authored 1001 *Problems in High School Mathematics* in five volumes and numerous problems and/or solutions in such journals as *CRUX Mathematicorum*, *Mathematics Magazine*, *American Mathematics Monthly*, *SIAM Review*, *Elemente der Mathematik*, *The College Mathematics Journal*, *Pi Mu Epsilon Journal*, *Canadian Mathematics Bulletin* and *Nieuw Archief voor Wiskunde*. He has been Editor of the Problem Section and the Classroom Notes in Applied Mathematics Section in the *SIAM Review* since their inception in 1959 and 1975, respectively. Between 1975 to 1984, Professor Klamkin coached the U.S. International Mathematical Olympiad team to two first and three second place finishes. He has served on the U.S. Mathematical Olympiad Committee and the Canadian Mathematical Olympiad Committee. In 1984, he was awarded the Doctor of Mathematics degree *honoris causa* from the University of Waterloo. □



### FSIDA Deadlines Ironclad

The Advisory Committee for the Fund for Support of International Development Activities, at its last meeting on 6 May, unanimously agreed that effective immediately all deadlines for submissions of project proposals will be strictly enforced. No exceptions will be permitted.

The deadlines for submissions of project proposals to the Fund are: 15 October, 15 January and 15 April.

### Financial Assistance for Academic Conferences

The Conference Fund of the University may provide modest up-front financial assistance for conferences, conventions or symposia of an academic nature, if sponsored by the University, its departments or student organization. Such conferences must be held in Alberta.

For further information and application forms, contact the Chair of the GFC Conference Funds Committee: B.J. Busch, Humanities and Social Sciences Library, Rutherford North. Telephone: 432-3794.

## Linkage With Xi'an Jiaotong Strengthened

An international cooperative project linking the Faculty of Business, China and the Canadian International Development Agency recently honoured its first Alberta MBA graduates.

Aaron Li and Jonathan Zhou received their MBA degrees on 3 June and attended a special luncheon held in their honour the next day.

The linkage between the Faculty of Business and the Engineering Management Department of Xi'an Jiaotong University in Xi'an, China, began in 1982. The cost of the program is covered fully by CIDA.

The Director of the China Project, Rolf Mirus, says members of the Faculty are very generous with their time and personal support for the Chinese MBA students. He says both Li and Zhou specialized in international trade and will likely become associate professors on their return home. □

## Talks

### Electrical Engineering

24 June, 3:30 p.m. Serge Luryi, AT&T Bell Laboratories, Murray Hill, "Germanium-Silicon Infrared Photodetector on a Silicon Chip." 436 Electrical Engineering Building.

## The Arts

### Ring House Gallery

Until 29 June. "Against Great Odds—Posters of Nicaragua"—82 posters from and about Nicaragua tell the story of the Sandinista revolution in 1979.

Until 29 June. "Jacques Hnizdovsky—Woodcuts and Linocuts"—24 woodcuts and linocuts by the Ukrainian-born artist.

### Bruce Peel Special Collections Library

Until 31 July. "Publishers' Bookbindings in Cloth: Some Pictorial and Geometric Designs." Open Monday to Friday, 8:30 a.m. to 4:30 p.m. B-7 Rutherford South.

### Studio Theatre

Until 14 June. "Waiting for Godot." 432-2495.

### SUB Theatre

13 June, 8 p.m. The Ensemble for Operetta Productions, Edmonton, presents "Oklahoma!" by Rodgers and Hammerstein. Tickets available at BASS. Further information: 436-2047.

22 June, 7 p.m. Shelley's Dance Company Dance Recital. 465-7163.

23 June, 7 p.m. Alberta Handicapped Publishing Society presents a "Children's Variety Show." 426-2525.

## Edmonton Film Society

16 June, 8 p.m. British Film Classics, "The Browning Version" (1951).  
23 June, 8 p.m. "Billy Liar" (1963).

## Award Opportunities

### Scholarship in Hungarian Studies

The Student Awards Office is now accepting submissions for the 1985-86 Scholarship in Hungarian Studies (\$500). Details from the Awards Office, 252 Athabasca Hall.

### Sandra Garvie Memorial Fund

An award of a value up to \$1,000 has been created to assist an individual to pursue a course of studies or to undertake research into the library or information aspects of public legal education. The purpose of the grant is encourage individuals to improve their knowledge of this field and, in turn, to add to the existing body of knowledge in this area. Candidates may be enrolled in a formal course of study or may undertake an independent learning activity.

Apply to the Sandra Garvie Memorial Fund, c/o Lois Gander, Director, Legal Resource Centre, Faculty of Extension, University of Alberta, 10049 81 Avenue, Edmonton, Alberta T6E 1W7. Deadline for applications: 30 June.

## Positions

*The University of Alberta is committed to the principle of equal opportunity in employment and encourages applications from all qualified people.*

*In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.*

## Academic

### Co-ordinator, University Transfer Program

Native Student Services is seeking applications from individuals who have experience in adult native education. Qualifications for the position are: experience in adult native education, preferably with experience in assessment and/or remediation; experience in various types of counselling, including academic and program planning; administrative experience in program development and evaluation; a comprehensive knowledge of the adult native education system in native communities.

Date of appointment: 7 July 1986.

Terms of appointment: This is a three-year term. Appointment subject to government funding.

Salary: \$25,000 per annum.

Interested candidates should submit curriculum vitae and the names of three references to: Jeannine Laboucane, Acting Director, Office of Native Student Services, 124 Athabasca Hall, University of Alberta, Edmonton, Alberta T6G 2E8.

Closing date for applications: 20 June 1986.

## Non-Academic

*To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. These vacancies cannot be guaranteed beyond the date of publication.*

Library Clerk I, University Collections, (\$1,109-\$1,371)  
Clerk Typist II, Physiology, (\$1,190-\$1,478)

Clerk Steno III, Instructional Technology Centre, (\$1,326-\$1,666)  
Clerk Steno III, Faculty of Extension, (\$1,326-\$1,666)  
Clerk Steno III, International Briefing Centre, (\$1,326-\$1,666)  
Clerk Steno III, Computing Science, (\$1,326-\$1,666)  
Clerk Steno III, Physiology, (\$1,326-\$1,666)  
Senior Financial Records Clerk, Chemical Engineering, (\$1,326-\$1,666)  
Systems Control Clerk I, Technical Services, (\$1,371-\$1,739)  
Data Entry Operator II (Part-Time Term), Educational Research Services, (\$686-\$870)  
Accounts Clerk (Part-Time-17.5 hours/week), Home Economics, (\$739-\$944)  
Medical Steno (Trust-Part-Time), Surgery, (\$739-\$944)  
Medical Steno, Pediatrics, (\$1,478-\$1,888)  
Administrative Clerk, Faculty of Extension, (\$1,478-\$1,888)  
Executive Secretary (Trust-Term to 31 December 1986) R. S. McLaughlin Examination and Research Centre, (\$1,666-\$2,144)  
Executive Secretary, Personnel Services and Staff Relations, (\$1,666-\$2,144)  
Executive Secretary, Faculté Saint-Jean, (\$1,666-\$2,144)  
Publications Assistant II (Trust-Part-Time-20 hours/week), Medical Publications, (\$952-\$1,225)  
Technologist I (Part-Time Recurring), Zoology, (\$1,340-\$1,730)  
Technician I (Term), Medical Microbiology, (\$1,534-\$1,968)  
Evaluator I/II, Office of the Registrar, (\$1,666-\$2,548)  
Animal Technician II, Medical Microbiology, (\$1,739-\$2,237)  
Communications Control Centre Operator, Physical Plant, (\$1,968-\$2,548)

*For vacant library positions, please contact the Library Personnel Office, Basement, Cameron Library, 432-3339.*

## Advertisements

### Accommodations available

Rent - Three large rooms, kitchenette, three-piece bathroom. Separate entrance, ground level. Country setting. Fifteen minutes from University. 434-6022.  
Rent - August/1 September 1986-31 August 1987. Comfortable three-bedroom sabbatical house. Garage, fenced. Furnished or part-furnished. 11220 94 St. \$450/month. (514) 937-7895 (collect).  
Rent - 1 July, Grandview executive four-bedroom house, five appliances. No pets. 436-3025. 16-17 June or (604) 327-7613 evenings now.  
Sale - Immaculate, charming bungalow close to University. Garage, deck, \$66,900. Jiri, 459-7829, 483-1255, Johnston's.  
Sale by owner - Millcreek Ravine, minutes from University. Comfortable, renovated, three-bedroom, two-level home. New furnace and fenced, mature landscaping. Tree-lined boulevard. Garage. Assumable mortgage at 10 3/4%. Louis, 433-3262.  
Rent - August onwards, pleasant four-bedroom bungalow near campus, shops, schools. \$750/month. 435-0155.  
Rent - Four bedroom. Two main, two basement with garage. 11435 80 Avenue. \$600/month. 437-2718.  
Sale - Blue Quill cul-de-sac. Compact two-storey has three bedrooms, separate dining room, fireplace. Double, attached garage. Huge pie lot. Asking \$95,000. Andrea Hammond, 435-5640. Royal LePage, 436-5080.

For rent - House, Laurier Heights. Three bedrooms. \$700/month. Beautiful backyard. Unfurnished or furnished. Available 1 August. 484-1795.  
Rent - Saskatchewan Drive. Three bedrooms, fireplace, five appliances. 428-0560, 439-3833.  
Rent - Blue Quill. Four bedrooms, two storeys, 2,450 sq. ft. Contemporary developed basement. Many extras. 1 August possession. Western Relocation Services Ltd., 438-1044.  
Rent - Spectacular view. Le Marchand Tower. Two bedrooms. 1 August 1986 possession. Western Relocation Services Ltd., 438-1044.  
Rent - Furnished Garneau Mews. Three bedrooms, perfect for three students. Available immediately. Western Relocation Services Ltd., 438-1044.  
For sale or rent - Two-bedroom cottage. Mulhurst (Pigeon Lake). Winterized, modern plumbing, wood stove. Phone Barb Clubb, 427-2556, 439-3237.  
Share - Grad. student. Female, mature, to share luxury, two-bedroom apartment in College Plaza. Rent reasonable, possible availability in August. Phone Diane for interview, 471-2064.  
Rent - University Avenue, duplex. Large living room, five appliances, powder room, deck. Upstairs three bedrooms, four-piece bath, carpet, drapes. \$675/month. One-year lease. Phone 432-0568.  
Rent - 1 August, three-bedroom, three-bathroom house. Double, attached garage. No pets. \$950. 420-0701.  
Sale - Laurier. Quiet crescent location facing park. Three-bedroom bungalow. Family room/fireplace, games room. Professionally designed kitchen. \$114,000. 14608 82 Ave. 436-0011, 483-4988.  
For rent - Two-bedroom house, west 109 St. on 80 Ave. Fenced yard for small pets, nice garden. \$525/month. Available 1 July. Phone 433-9938, leave message on tape if necessary.  
Sale - Belgravia. Well maintained bungalow. Original owner. Walk University. South yard. Park behind. Double garage. Florence Thompson, 436-6833, 436-5250. Spencer's.  
Sale - 160 acres. Only \$25,900. Chris Tenove, 433-5664, 436-5250. Spencer's.  
Sale - Riverbend. 1,980'. Immaculate home. Four bedrooms. Nice lot. Only \$134,900. Owner transferred. Chris Tenove, 433-5664, 436-5250. Spencer's.  
Sale - Saskatchewan Drive. Three-bedroom bungalow. Large lot. Chris Tenove, 433-5664, 436-5250. Spencer's.  
Sale - Lakefront. Wabamun. Private beach. Chris Tenove, 433-5664, 436-5250. Spencer's.  
Sale - Belgravia. New listing. Immaculate, cozy home. Hardwood floors, fireplace. Extremely well built. South yard. Very good University location. Chris Tenove, 433-5664, 436-5250. Spencer's.  
Sale - Riverbend. South shore Saskatchewan River. Upgraded home. Chris Tenove, 433-5664, 436-5250. Spencer's.  
Sale - Grandview. Spacious and elegant. Large rooms. Two fireplaces. Main floor family room. Double, attached garage. Chris Tenove, 433-5664, 436-5250. Spencer's.  
Sale - Windsor Park home with character. Hardwood floors. Fireplace. Large lot. Chris Tenove, 433-5664, 436-5250. Spencer's.  
Sale - Lakefront. Attractive building site on large, wooded lot. View across lake, sandy beach, Kapasiwin. \$75,000. Eleanor Duncan, Royal LePage, 438-4700, 434-7368.  
Sale - Lakefront, Kapasiwin Beach. \$84,500. Four bedrooms with view across lake. Features fireplace, three-piece bath, wooded lot, sandy

beach, boathouse, bunkhouse. Eleanor Duncan, Royal LePage, 434-7368, 438-4700.

For sale - Riverbend. Across from the park. Eight-room home. Fireplace, south garden, deck, double garage. Under \$135,000. Eleanor Duncan, Royal LePage, 434-7368, 438-4700.

#### Accommodations wanted

Writer-in-Residence, 1986-87, needs furnished house, apartment, near University. Scrupulous with furnishings. Ray Smith, 11 Burton Avenue, Westmount, Quebec, H3Z 1J6, (514) 483-5822; locally 435-9372. September-April inclusive.

Corporate client requires large, four-bedroom home to rent. July possession, one- or two-year lease. West Edmonton, Riverbend or southside. Western Relocation Services Ltd. 438-1044.

Wanted to rent: Three-bedroom house/townhouse. Southwest. August/September. U.A.H physician and family. Non-smokers. No pets. Reply: 13830 Ravine Drive, Edmonton, Alberta T5N 3M1.

#### Automobiles and others

Transportation for sale, 1977 Chevrolet Nova, V8, 4-door, well maintained. \$1,500 or best offer. 433-2211, 432-5691. 1978 Plymouth Fury. Loaded, air conditioned, excellent condition. 432-4574, 437-5916.

1982 Chevrolet Cavalier. Standard transmission. 1.8L engine, well maintained, 70,000 km. \$5,499 or best offer. 469-7748.

#### Goods for sale

Three registered horses between two and four years. Arab, part Arab and half-trakehner. Riding, showing, breeding, driving. Brenda, 487-0099. Registered Arabian nine year mare and colt. Good for breeding and riding. Sale or trade. Karen, 487-0099.

\$40 off new electric typewriters, correcting key, \$199; \$75 off new electronic typewriter, computer interface included, \$655. Mark 9, HUB Mall, 432-7936.

Reconditioned correcting IBM Selectric II typewriters, 4-8 years old, 3-month warranty, \$449-\$549. Mark 9, HUB Mall.

Canadian Geographic, 1977-1986 complete; Geographical Magazine (U.K.), 1948-49, 1963-June 1978 (three issues missing). Thirty miscellaneous issues of both. \$100. 438-0555 ext. 262, evenings 437-3464.

Nakamichi 700II tape deck. \$450. Phone 487-6192.

Furniture and appliances for sale. 13-14 June. 10655 84 Ave.

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